

10/531966

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PTO/SB/08A (04-03)

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 5

Complete if Known

Application Number	PCT/US2003/033429
Filing Date	April 20, 2005
First Named Inventor	WITTWER, Carl T.
Art Unit	
Examiner Name	

Attorney Docket Number P00950-US-01

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Number-Kind Code ² (if known)					
/SC/	US-	5,436,134	07-25-1995	Haugland et al.	
/SC/	US-	5,491,063	02-13-1996	Fisher et al.	
/SC/	US-	5,321,130	06-14-1994	Yue et al.	
/SC/	US-	5,563,037	10-08-1996	Sutherland et al.	
/SC/	US-	5,658,751	08-19-1997	Yue et al.	
/SC/	US-	5,871,908	02-16-1999	Henco et al.	
/SC/	US-	6,174,670	01-16-2001	Wittwer, et al.	
/SC/	US-	6,437,141	08-20-2002	Randall et al.	
/SC/	US-	6,506,568	01-14-2003	Shriver et al.	
/SC/	US-	2001/0046670	11-29-2001	Brookes	
/SC/	US-	2003/0157507	08-21-2003	Lipsky et al.	
	US-				

FOREIGN PATENT DOCUMENTS

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Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)						
/SC/		PCT WO 00/66664	11-09-2000	Haugland		
/SC/		PCT WO 01/48237	05-07-2001	Neidl-Stippler		
/SC/		PCT WO 02/26891	04-04-2002	Leung		

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	PCT/US2003/033429
				Filing Date	April 20, 2005
				First Named Inventor	WITTWER, Carl T.
				Art Unit	
				Examiner Name	
Sheet	2	of	5	Attorney Docket Number	P00950-US-01

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
/SC/		ABRAMS, E.S., et al., Genomics 1990; 7:463-75		
/SC/		AKTIPIS, S., et al., Biochemistry 1975; 14:326-31		
/SC/		AOSHIMA, T., et al., Clin Chem 2000; 46:119-22		
/SC/		CROCKETT, A.O. and C. T. Wittwer, Anal. Biochem. 2001; 290:89-97		
/SC/		DEICHMEISTER, M.V., et al., Khim. Geterotiski. Soedin., Sb. 1: Azotsoderzhashchie Geterotsikly (1967). SciFinder Abstract.		
/SC/		DOUTHART, R.J., et al., Biochemistry 1973; 12:214-20		
/SC/		GERMER, S., et al., Genome Research 2000; 10:258-266		
/SC/		GERMER, S., et al., Genome Research 1999; 9:72-79		
/SC/		GUNDRY, C.N., et al., Genetic Testing, 1999; 3:365-70		
/SC/		HERRMANN, M., et al., Clin Chem 2000; 46:425-8		

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Substitute for form 1449/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	PCT/US2003/033429
				Filing Date	April 20, 2005
				First Named Inventor	WITTWER, Carl T.
				Art Unit	
				Examiner Name	
Sheet	3	of	5	Attorney Docket Number	P00950-US-01

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
/SC/		HIGSMITH, W.E., et al., Electrophoresis 1999; 20:1186-94		T ²
/SC/		HIGUCHI, R., et al., Biotechnology, 1992; 10:413-17		
/SC/		ISHIGURO, T., et al., Anal Biochem 1995; 229:207-13		
/SC/		LAY, M.J., et al., Clin Chem 1997; 43:2262-7		
/SC/		LIPSKI, R.H., et al., Clin Chem 2001; 47:635-44		
/SC/		MARZILIANO, N., et al., Clin Chem 2000; 46:423-5		
/SC/		NATARAJ, A.J., et al., Electrophoresis 1999; 20:1177-85		
/SC/		ORITA, O., et al., Proc Natl Acad Sci USA 1989; 86:2766-70		
/SC/		PIRULLI, D., et al., Clin Chem 2000; 46:1842-4		
/SC/		PRESS, W.H., et al., eds. Numerical recipes in C, 2nd ed. New York; Cambridge University Press, 1992:650-5		

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Examiner Name					
Sheet	4	of	5	Attorney Docket Number	P00950-US-01

NON PATENT LITERATURE DOCUMENTS			
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/SC/		RIRIE, K.M., et al., Anal. Biochem 1997; 245:154-60	
/SC/		SANTALUCIA, J., Jr., Biochemistry 1996; 35:3555-62	
/SC/		TAYLOR, G.R., et al., Genet Anal 1999; 14:181-6	
/SC/		TSENG, B.Y., et al., Anal. Biochem 1997; 245:207-12	
/SC/		VENTER, J.C., et al., Science 2001; 291:1304-51	
/SC/		VON AHSEN, N., et al., Clin Chem 2001; 47:1331-1332	
/SC/		VON AHSEN, N., et al., Clin Chem 2001; 47:1956-61	
/SC/		WARTELL, R.M., et al., J Chromatogr A 1998;806:169-8	
/SC/		WETMUR, J.G., Crit Rev Biochem Mol Biol 1991; 26:227-59	
/SC/		WITTWER, C.T., et al., BioTechniques 1997; 22:130-8	

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/SC/		XIAO, W., et al. Hum Mutat 2001; 17:439-74	

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